

1/En/3/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/821,236	04/08/2004	John Kitching	121051-0006

CONFIRMATION NO. 9563

## FORMALITIES LETTER



\*OC000000013040916\*

35684  
 BUTZEL LONG  
 350 SOUTH MAIN STREET  
 SUITE 300  
 ANN ARBOR, MI 48104

Date Mailed: 06/23/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$130** for a Large Entity

- **\$130** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

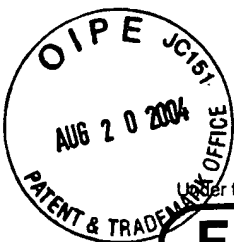
*A copy of this notice **MUST** be returned with the reply.*

10821236  
 122136  
 08/25/2004 WABDELRI 00000129  
 01 FC:1051 130.00 DA

Customer Service Center

Initial Patent Examination Division (703) 308-1202

**PART 2 - COPY TO BE RETURNED WITH RESPONSE**



PTO/SB/17 (10-03)  
Approved for use through 07/31/2006. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

\$130.00

## Complete if Known

Application Number	10/821,236
Filing Date	April 8, 2004
First Named Inventor	John KITCHING, et al
Examiner Name	Unknown
Art Unit	2862
Attorney Docket No.	1251051-0006

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 12-2136

Deposit Account Name BUTZEL LONG

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND

Extra Claims		Fee from below		Fee Paid
Total Claims	<input type="text"/> -20** = <input type="text"/> 0	X	<input type="text"/>	= <input type="text"/> 0.00
Independent Claims	<input type="text"/> - 3** = <input type="text"/> 0	X	<input type="text"/>	= <input type="text"/> 0.00
Multiple Dependent			<input type="text"/>	= <input type="text"/>

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	130.00
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non - English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR § 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Statement	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

\$130.00

## SUBMITTED BY

Name (Print/Type) Michael S. Gzybowski

Registration No. (Attorney/Agent)

32,816

## Complete (if applicable)

Telephone 734.995.3110

Signature

*Michael S. Gzybowski*

Date

August 20, 2004

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): John KITCHING, et al			Docket No. 121051-0006	
Application No. Unknown	Filing Date April 8, 2004	Examiner Unknown	Customer No.	Group Art Unit Unknown



Invention: **MICROMACHINED ALKALI-ATOM VAPOR CELLS AND METHOD OF FABRICATION**

I hereby certify that the following correspondence:

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION-SUBMISSION OF EXECUTED DECLARATION, EXECUTED DECLARATION, AND FEE TRANSMITTAL**

*(Identify type of correspondence)*

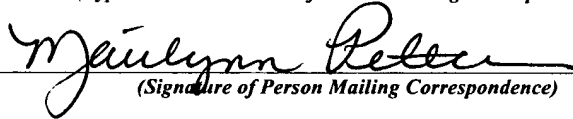
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

08/20/2004

*(Date)*

Marilynn M. Peterson

*(Typed or Printed Name of Person Mailing Correspondence)*

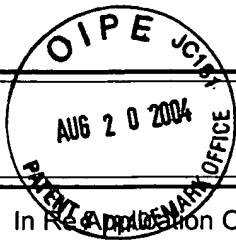


*(Signature of Person Mailing Correspondence)*

EV 468351709 US

*("Express Mail" Mailing Label Number)*

**Note: Each paper must have its own certificate of mailing.**



**TRANSMITTAL LETTER  
(General - Patent Pending)**

Docket No.  
121051-0006

In Re Application Of: **John KITCHING, et al**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/821,236	04/08/2004	Unknown	35684	2862	9563

Title:

**MICROMACHINED ALKALI-ATOM VAPOR CELLS AND METHOD OF FABRICATION**

COMMISSIONER FOR PATENTS:

Transmitted herewith is:

**Response To Notice To File Missing Parts of Nonprovisional Application - Submission of Executed Declaration, Executed Declaration and Power of Attorney, and Fee Transmittal**

in the above identified application.

- ☐ No additional fee is required.
- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **12-2136** as described below.
- ☒ Charge the amount of **\$130.00**
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

  
\_\_\_\_\_  
Signature  
**Michael S. Gzybowski**

Dated: **08/20/2004**

I certify that this document and fee is being deposited on **08/20/2004** with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
\_\_\_\_\_  
Signature of Person Mailing Correspondence

**Marilynn M. Peterson**

Typed or Printed Name of Person Mailing Correspondence

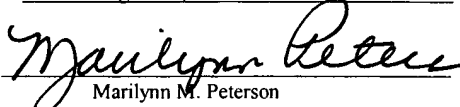
CC:



PATENT APPLICATION

*IN THE UNITED STATES PATENT AND TRADEMARK OFFICE*

<i>Group</i>		}	<u>Certificate Under 37 CFR 1.10</u>
<i>Art Unit:</i>	2862	}	
		}	'EXPRESS MAIL' MAILING LABEL NO:
		}	
<i>Attorney</i>		}	<u>EV 468351709 US</u>
<i>Docket No.:</i>	121051-0006	}	
		}	DATE OF DEPOSIT: <u>August 20, 2004</u>
<i>Applicant:</i>	John KITCHING, et al	}	I HEREBY CERTIFY THAT THIS PAPER OR FEE IS
		}	BEING DEPOSITED WITH THE UNITED STATES
<i>Invention:</i>	MICROMACHINED ALKALI-ATOM	}	POSTAL SERVICE "EXPRESS MAIL POST OFFICE
	VAPOR CELLS AND METHOD OF	}	TO ADDRESS" SERVICE UNDER 37 CFR 1.10 ON
	FABRICATION	}	THE DATE INDICATED ABOVE AND IS
		}	ADDRESSED TO THE COMMISSIONER FOR
<i>Serial No:</i>	10/821,236	}	PATENTS, P.O. BOX 1450, ALEXANDRIA, VA
		}	22313-1450.
<i>Filing Date:</i>	April 8, 2004	}	
		}	on <u>August 20, 2004</u>
<i>Examiner:</i>	Unknown	}	

  
Marilynn M. Peterson

RESPONSE TO NOTICE TO FILE MISSING PARTS OF  
NONPROVISIONAL APPLICATION

SUBMISSION OF EXECUTED DECLARATION

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notice to File Missing Part of Nonprovisional Application mailed August 23, 2004 in connection with the above-identified application, enclosed herewith is the signed and dated Declaration together with a copy of the Notice to File Missing Parts of Nonprovisional Application.

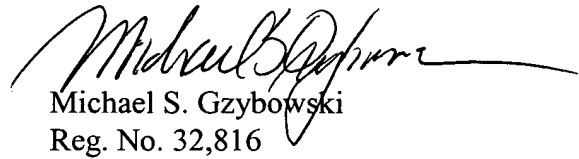
The Commissioner of Patent is authorized to charge Deposit Account No. 12-2136 to Butzel Long \$130.00 to cover the late declaration surcharge required under 37 CFR §1.16(e).

000121051/0006/116142-1

To the extent necessary, a petition for an extension of time under 37 CFR §1.136 is hereby made. Please charge the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 12-2136 and please credit any excess fees to such deposit account.

It is believed that by submitting the signed and dated Declaration together with the requisite surcharge, the above-identified application is complete and may be processed for examination.

Respectfully submitted,



Michael S. Gzybowski  
Reg. No. 32,816

BUTZEL LONG  
350 South Main Street  
Suite 300  
Ann Arbor, Michigan 48104  
(734) 995-3110